Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/02/2020 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124611	-1	2.38	124756	2.42
Blue	F	SSC	125000	125181	0	1.77	125980	1.77
Blue	E	FITC	15892	15483	-3	2.80	338	20.92
Blue	D	PE	29999	29466	-2	1.93	643	15.54
Blue	B	PerCP-Cy5-5	43732	43779	0	3.73	1179	21.00
Blue	A	PE-Cy7	30845	30904	0	6.26	586	43.27
Red	C	APC	46112	45154	-3	2.55	1597	12.32
Red	A	APC-Cy7	30458	29582	-3	2.46	782	12.35
Violet	B	V450	7918	7582	-5	4.12	430	13.11
Violet	A	V500	32171	31795	-2	3.88	745	10.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17051	12.52	650	29	N/A	N/A	Pass
Blue	F	SSC	57156	1.25	580	21	N/A	N/A	Pass
Blue	E	FITC	61	64.02	551	8	0.0175	77	Pass
Blue	D	PE	134	50.96	557	9	0.1359	227	Pass
Blue	B	PerCP-Cy5-5	214	50.39	665	9	0.0083	17	Pass
Blue	A	PE-Cy7	110	105.10	710	12	0.0097	12	Pass
Red	C	APC	379	26.38	593	9	0.0241	217	Pass
Red	A	APC-Cy7	172	30.05	564	8	0.0052	1132	Pass
Violet	B	V450	65	57.53	463	5	0.0451	1564	Pass
Violet	A	V500	112	29.65	480	6	0.0234	312	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.58	-32.74	0.98
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	15.65	13.60 - 20.40	N/A	N/A	29.78	30.57	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10082

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments